

ABSTRACT OF THE DISCLOSURE

A PPPoE (Point-to-Point Protocol over Ethernet) network system and connection method thereof. The connection method includes the steps of: if a connection attempt is made, transmitting a PADI (PPPoE Active Discovery Initiation) packet to a plurality of servers by performing a discovery stage; after transmitting the PADI packet, deciding whether a packet being transmitted from a server is transmitted in a session packet in a PPP session stage or a PADO (PPPoE Active Discovery Offer) packet; and if the packet being transmitted from the server is the session packet, terminating connection between a client and an already-connected server by performing a discovery stage for terminating the connection, and then reestablishing the connection by performing a discovery stage for connection. Therefore, even though the connection between the client and the server is improperly disconnected due to errors on the client side, the connection can be reestablished faster and more effectively.